



KEY FEATURES

- Compact powered subwoofer
- 18" woofer, 4" voice coil
- Advanced DSP with LCD control
- Class D amplifier module with SMPS
- Heavy duty wheels
- M20 pole mount socket

APPLICATIONS

- Corporate and A/V
- Live music venues
- Nightclubs and bars
- Houses of Worship

TECHNICAL SPECIFICATIONS

SYSTEM

| | |
|-----------------------------|----------------------------|
| System's Acoustic Principle | Direct radiation, vented |
| Frequency Response (-6dB) | 38 Hz – 100 Hz (processed) |
| Maximum (peak) Output | 134 dB SPL @ 1m |

TRANSDUCERS

| | |
|-----------------|---|
| Type | One 18" (457mm) LF driver, 4" (101.6mm) voice coil |
| Cone | High stiffness, water repellent, glass fibre reinforced diaphragm |
| Voice Coil Type | Flux Demodulating Ring |
| Suspension | Double Centering Spider |

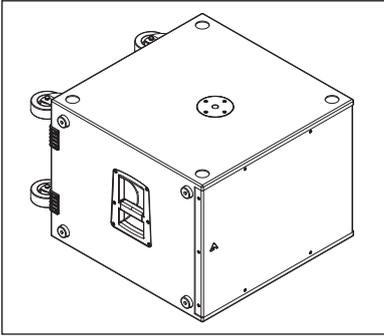
ELECTRICAL

| | |
|------------------------------|--|
| Input Impedance | 30 kΩ balanced, 15 kΩ unbalanced |
| Input Sensitivity | +4dBu / 1.25 V |
| Signal processing | DSP |
| Direct access Controls | LCD, DIAL |
| Amplifier Type | Class D with SMPS and PFC |
| Output Power | 1000W |
| Mains Voltage Range (Vac) | 220-240V~ / 100-120V~ ±10% 50/60 Hz (auto-range) |
| IN / OUT Connectors | XLR-M / XLR-F |
| Mains Input / Link Connector | PowerCon® (NAC3MPXXA), PowerCon® (NAC3MPXXB) |
| Cooling | Passive |

ENCLOSURE & CONSTRUCTION

| | |
|------------------------|--|
| Dimensions (W x H x D) | 650 mm (25.6") x 510 mm (20.1") x 655 mm (25.8") / 780 mm (30.7") including wheels |
| Enclosure material | Reinforced phenolic birch |
| Paint | High resistance, black water based paint |
| Wheels | 4 x 100mm Polyurethane Wheels |
| Net Weight | 46.5 kg (102.5 lbs) with wheels |

DESCRIPTION



FLSUB180A is a high-power compact subwoofer designed to be the ideal complement to the FL Series 2-way speakers.

It is capable not only of extending the low frequency response, but also of significantly increasing the efficiency and performance of a satellite/subwoofer system. FLSUB180A is suited for a wide range sound reinforcement applications requiring high quality sound, repeatable performance, and convenience of operation in an easily portable format.

The subwoofer uses a custom 18" (460mm) high-efficiency, long-excursion woofer with 4" voice coil, driven by a powerful 1000 W CLASS-D amplifier with high headroom, for maximum output power without distortion.

SYSTEM PROCESSING

The system processing is based on an advanced DSP platform featuring 56bit, double precision processing and high-resolution 24bit AD/DA converters for perfect signal integrity and superior sonic performance. Thanks to its massive processing power, the DSP is capable of providing the most sophisticated algorithms for speaker processing.

A user interface with color LCD display and single-knob control is available for quick selection and viewing of the processor parameters. These parameters include the selection of LPF and HPF frequency, phase and delay, for a perfect coupling with the satellite used. The cardioid configuration is also available, which allows the coupling of two FLSUB180A to double the frontal efficiency of the system and, at the same time, drastically reduce the rear radiation.

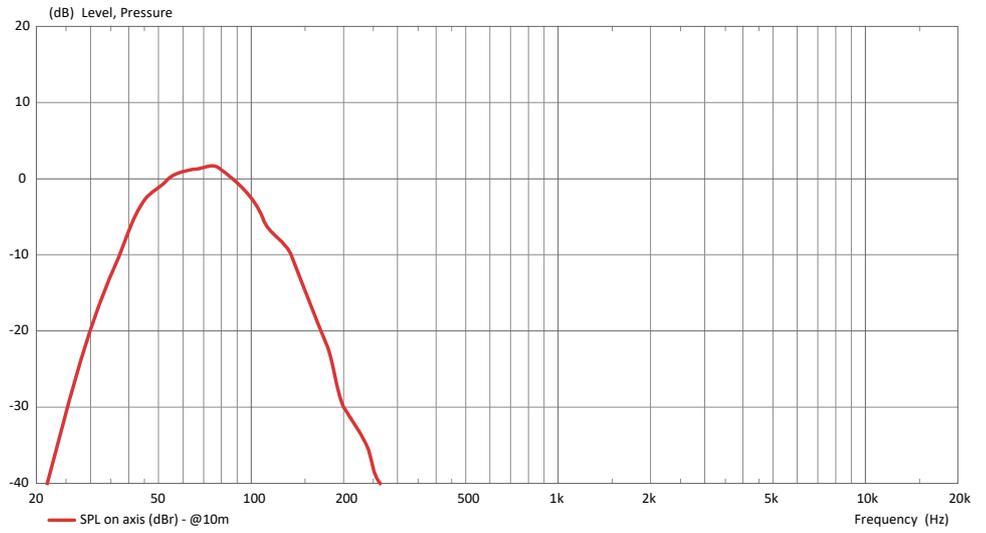
The connections feature dual inputs and outputs, which allow use in a mono or stereo system.

CONSTRUCTION

FLSUB180A is housed in a lightweight and ultra-resistant phenolic birch plywood cabinet, with steel protection grille, two flush handles, stacking feet on two sides and pole mount socket with M20 connection. 4 heavy-duty polyurethane wheels are also supplied as standard to enable easy handling and transportation.



FLSUB180A frequency response



ENGINEERING DRAWING

